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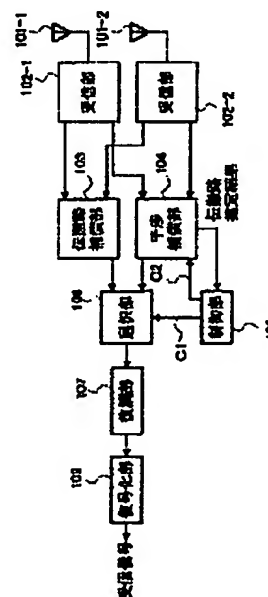
(21) Application number: **2002341741**(22) Date of filing: **26.11.02**(71) Applicant: **MATSUSHITA ELECTRIC IND CO LTD**(72) Inventor: **SUDO HIROAKI****(54) APPARATUS AND METHOD FOR RADIO RECEPTION****(57) Abstract:**

PROBLEM TO BE SOLVED: To improve error rate characteristics at a reception side in MIMO communication even under an environment where an interference compensation error becomes large.

SOLUTION: A reception section 102 performs radio reception processing to a signal received via a reception antenna 101 for outputting to a propagation path compensation section 103 and an interference compensation section 104. The propagation path compensation section 103 performs propagation path compensation to a reception signal, based on a propagation path estimation result. Contrarily, the interference compensation section 104 performs propagation path estimation for outputting the result to a control unit 105 and carries out MIMO separation processing for outputting the separated reception signal. A selection section 106 selects one of signals outputted from the propagation compensation section 103 and the interference compensation section 104 for outputting under the control of the control unit 105. The control unit 105 controls the selection section 106 based on the propagation path estimation result. A

demodulation section 107 and a decoding section 108 demodulate and decode the reception signals, respectively.

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